



About the Systems Council

Formed in June 2005

The IEEE Systems Council promotes, encourages, and supports the technical, academic and application aspects of systems engineering and systems thinking through its own activities, and with its Society members through joint activities for the growth of Council Affiliate membership, member Society membership, and for addressing overall global challenges.



About the Systems Council

Field of Interest

The Systems Council integrates IEEE activities regarding aspects of multiple disciplines and specialty areas of systems engineering, and covers, but is not limited to:

- ▶ Systems thinking
- ▶ Systems-engineering education, standards, processes, methodologies
- ▶ Systems modeling, simulation, integration, resilience
- ▶ Robust design, safety and human factors, security, usability, environmental aspects
- ▶ Product transition: design, production, test, deployment, disposal
- ▶ Program and project management
- ▶ Quality assurance
- ▶ Mission assurance
- ▶ Requirements development and management
- ▶ Risk management
- ▶ Systems architecture
- ▶ Systems of systems



Executive Committee



President
Andy Chen
Catronic Enterprise



Past President
Walt Downing
Southwest Research Institute

VP Publications
Fabrice Labeau

VP Conferences
Paolo Carbone

VP Finances
Shreekanth Mandayam

VP Member Services
Bozenna Pasik-Duncan

VP Technical Operations
Andre Oboler

Secretary
Joanne Wong

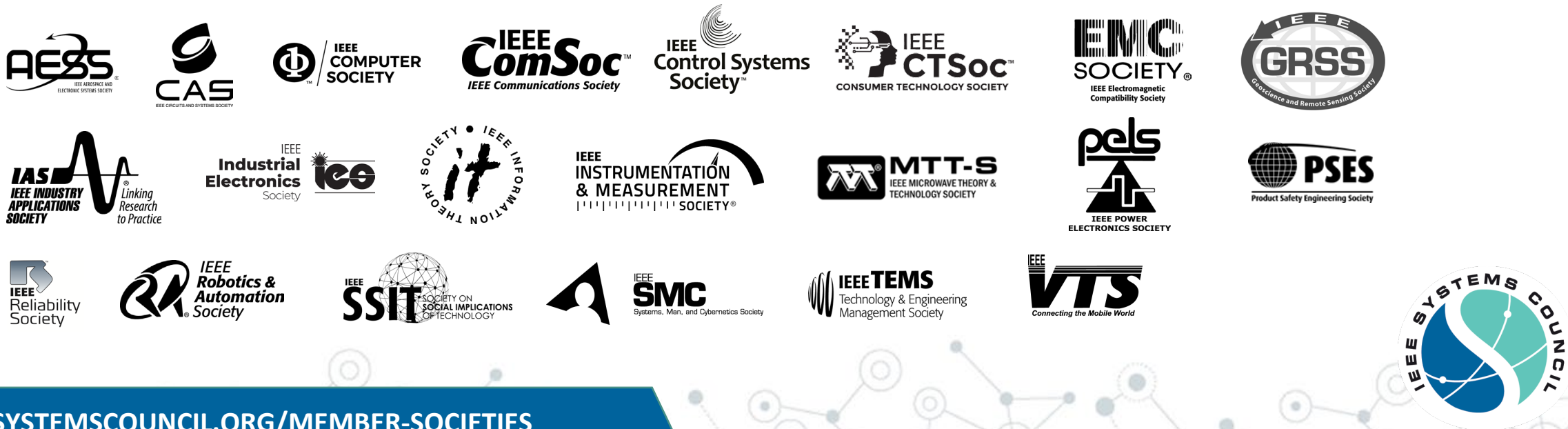
Treasurer
Steven Li

Member Societies

Aerospace and Electronic Systems
 Circuits and Systems
 Communications
 Computer
 Consumer Technology
 Control Systems
 Electromagnetic Compatibility

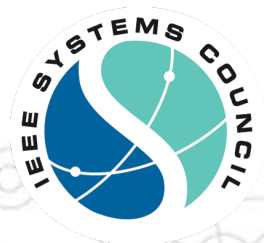
Geoscience and Remote Sensing
 Industry Applications
 Industrial Electronics
 Information Theory
 Instrumentation and Measurement
 Microwave Theory and Techniques
 Power Electronics

Product Safety Engineering
 Reliability Society
 Robotics and Automation
 Social Implications of Technology
 Systems, Man, and Cybernetics
 Technology and Engineering Management
 Vehicular Technology



2025 Member Society Representatives

AESS		Steve Butler and Walt Downing	ITS		Matthieu Bloch and Stark Draper
CASS		Hiroo Sekiya and Kiran Gunnam	MTT-S		Greg Lyons and Ke Wu
COMSOC		Ruidong Li and Sahar Hoteit	PELS		Antonio J. Marques Cardoso and Alireza Safaee
CS		Wei-Ren Chen and Shashikant Patil	PSES		Bansi Patel and Regan Arndt
CTSOC		Norbert Herencsar and Yu-Cheng Fan	RAS		TBD
CSS		Rifat Sipahi and Tansel Yucelen	RS		Wei Zhang and Loretta Arellano
EMC		Karen Burnham and Henry Benitez	SSIT		Ketra Schmitt and Deepak Mathur
GRSS		Mariko Burgin and Saibun Tjuatja	SMC		Haibin Zhu and Ferat Sahin
IAS		Andy Knight and Ayman EL-Refaie	TEMS		Sudeendra Koushik and Karl Arunski
IES		Stamatis Karnouskos and Yang Shi	VTS		Weihua Zhuang and Haibo Zhou
IMS		Marco Parvis and Vincenzo Piuri			



Technical Committees

The Systems Council offers opportunities to participate in technical committees in several technical fields of interest related to Systems Engineering. The technical committees hold meetings around the world, typically in conjunction with relevant conferences. Objectives of technical committees include to create IEEE standards and to support IEEE conferences.



Analytics and Risk



Cyber Physical Systems



Human System Integration



Hyper-Intelligence



Intelligent Transportation Design



Networked Systems



Systems Biology and Biomedical Systems



Systems Education



System Engineering Methods



Security and Privacy in Complex Information Systems



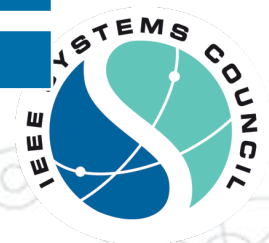
Joint INCOSE/IEEE Systems Engineering and Software Interface



Joint IEEE Systems Engineering/TEMS TC on Carbon Neutrality



Systems Thesaurus



Systems Council Chapters/Joint Chapter Locations



32

Section Chapters

27

Student Chapters

22

Countries

7

IEEE Regions

Updated: February 2025



Publications



IEEE Systems Journal

- ▶ Established 2007
- ▶ Impact factor 4.0
- ▶ Median time-to-publication <7 weeks



Co-Sponsored Publications

- ▶ Journal on Miniaturization for Air and Space Systems (J-MASS)
- ▶ Open Journal of Systems Engineering (OJSE)
- ▶ Systems Engineering Body of Knowledge (SEBoK)
- ▶ Transactions on Big Data (T-Data)
- ▶ Transactions on Cloud Computing (TCC)
- ▶ Transactions on Privacy (T-P)



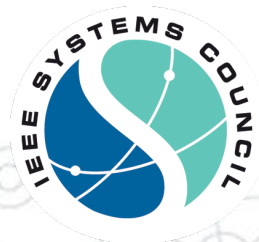
Newsletter

- ▶ Published quarterly
- ▶ Reaches over 27,000 subscribers

Updated: October 2024



[IEEESYSTEMSCOUNCIL.ORG/PUBLICATIONS](https://ieeesystemscouncil.org/publications)



Conferences

SYSCON

**International Systems
Conference**

ISSE

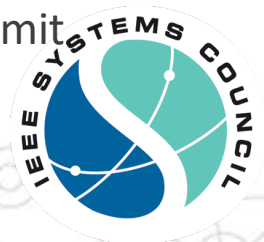
**International Symposium
on Systems Engineering**

RASSE

**International Conference
on Recent Advances in
Systems Science and
Engineering**

A full list of events and conferences, calls for papers, and registration information can be found on the website.

- ▶ The IEEE Systems Council is willing to sponsor, co-sponsor or technically co-sponsor conferences and workshops in its field of interest.
- ▶ If you are interested in organizing a conference or workshop with the IEEE Systems Council, please submit a preliminary proposal to the VP Conferences by specifying title, location, dates, topics, general and program chairs, and expected number of attendees.



Distinguished Lecturer Program



Objective

Access experts promoting the field of systems engineering.



Highlights

24 DLs with various backgrounds and geo-locations
Online Biography and Talk Titles



Information

Request a Distinguished Lecturer for your event by visiting the website and filling out the form.



Awards

The Council recognizes the contributions and achievements in the systems engineering community by sponsoring numerous awards in the field including the following:



Systems Journal Best Paper Award

- ▶ Given annually to the papers deemed the best among those published in the IEEE Systems Journal during the preceding calendar year
- ▶ **Prize:** A certificate presented to each author and \$500 to be shared among the authors.



Outstanding Service Award

- ▶ To honor distinguished service to the IEEE Systems Council at a level of dedication and achievement rarely demonstrated.
- ▶ **Prize:** Plaque and \$1,000



Chapter and Student Branch Chapter of the Year

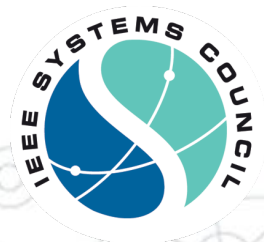
- ▶ To recognize one Systems Council Chapter and one Student Branch Chapter for significant activity and service to their members.
- ▶ **Prize:** Certificate and \$1,000



Scholarships

- ▶ **James O. Gray Graduate Scholarship**
 - ▶ Recognizes students pursuing graduate studies in process control systems engineering, plant automation, or instrumentation measurement.
 - ▶ 1 - \$6,000 scholarship available
- ▶ **IEEE Systems Council Engineering Undergraduate Scholarship**
 - ▶ Recognizes students pursuing their first professional degree in any engineering discipline.
 - ▶ 2 - \$5,000 scholarships available

All awards, forms, and previous winners are available on the website.



What Can the Council Do For You?

IEEE Members can register as Systems Council participants, receive newsletters, attend Systems Council-sponsored events, and volunteer for various Council activities. Participation in the Council is free.



Conferences



Awards



Publications



Education



Technical Activities



Networking



How to Get Involved

Become a Systems participant

For free on the IEEE website

Conferences and Events

Organize a meeting, workshop or conference

Review for Systems conferences and Journals

Get involved with local chapters and volunteer to organize activities

Distinguished Lecturers Program

Request a DL at your next event

Apply to become a DL

Volunteer to Serve on Systems Committees

Calls are announced on the website and social media

Subscribe to Systems Council Mailing List





Stay up to date on all
Systems news and
events!



Website

ieeesystemscouncil.org



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LinkedIn

linkedin.com/company/ieee-systems-council



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